

WHO HELPS LAKEFRONT LANDOWNERS

Lake County Soil and Water Conservation District

125 E. Erie St, Painesville OH 44077
440-350-2730
www.lakecountyohio.gov/soil

Lake County Planning Commission

125 E. Erie St, Painesville OH 44077
440-350-2740
www.lakecountyohio.gov/planningcommission

Ohio Sea Grant, Lake County Extension Office

99 E. Erie St, Painesville OH 44077
440-350-2582
<http://lake.osu.edu/>

ODNR Office of Coastal Management

105 West Shoreline Drive, Sandusky OH 44870
419-626-7980
<http://www.ohiodnr.com/coastal>

Ohio Environmental Protection Agency

Northeast District Office
2110 East Aurora Road, Twinsburg, OH 44087
330-963-1200
www.epa.state.oh.us/nedo

US Army Corps of Engineers, Buffalo District

1776 Niagara St, Buffalo NY 14207
Buffalo District Office: 716-879-4104
Orwell Field Office: 440-437-5841
<http://www.lrb.usace.army.mil>

Jim McCormack

INTERESTING LINKS

In Lake Erie, water levels are affected by regional trends in precipitation. The Monthly Water Inventory Report, prepared by the Ohio Department of Natural Resources, will give you information on precipitation trends in the Lake Erie basin and water level information for Lake Erie.

<http://www.dnr.state.oh.us/water/waterinv/mwir/tabid/4191/Default.aspx>

The Great Lakes Information Network provides links to various gauges that record current and recent lake levels, water and air temps and humidity in near real-time.

http://www.great-lakes.net/envt/water/levels/levels_current.html

Current and recent wind, surface current, water temp, wave height, and other information is provided by the National Oceanographic and Atmospheric Administration, including animation of last 48 hours and near-future predictions.

<http://www.glerl.noaa.gov/res/glcfs/>

The latest National Weather Service forecasts and maps are available online.

<http://www.erh.noaa.gov/er/cle/>

Office of Coastal Management has application for various required permits, and useful information for lake front landowners.

<http://www.ohiodnr.com/coastal>

Ohio Sea Grant, a part of The Ohio State University, has a vast collection of links to other useful sites.

<http://www.ohioseagrant.osu.edu/links/>

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Issue 4 of 4, 2010

Along the Shore

Living With Lake Erie as Your Neighbor

Inside this Edition:

Permitting and planning your bluff or beach stabilization project

GETTING YOUR PROJECT STARTED ON THE RIGHT FOOT

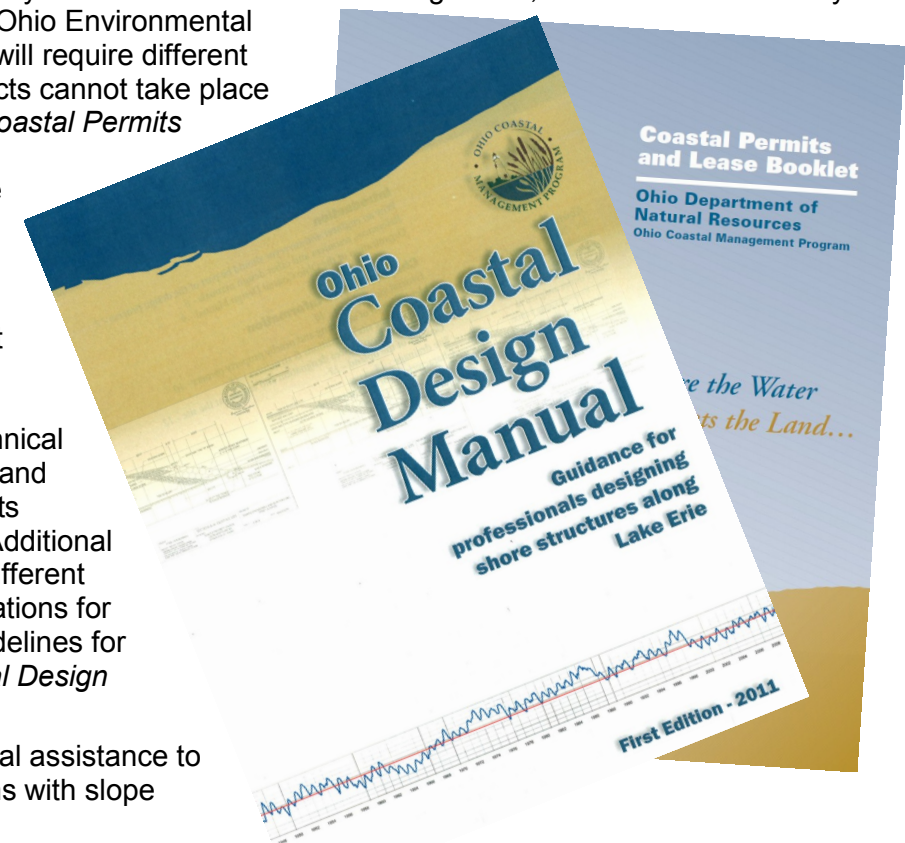
Socially and economically Lake Erie is a valuable asset to Ohioans and an important national and state natural resource. As a public trust managed by the state, Ohio's portion of the lake supports a considerable amount of commercial and recreational fishing, shipping and boating. More than 119,000 northern Ohio jobs are directly linked to Lake Erie-region visitors who spend more than \$10.4 billion annually, generating \$430 million in state taxes and \$320 million in local taxes. Of the lake's 127.7 trillion gallons, 530 million are tapped by 3 million Ohioans daily as their source of drinking water. While 52.7 miles of Ohio's 312-mile coast are open to the public, 83 percent of Ohio's shore is privately owned – used for businesses, industry and residential housing.

With the varied and important interests in the lake, balancing the use and preservation of Erie's resources requires a set of rules and regulations common to all. Fortunately, in Ohio, most of the state regulations are represented in the Ohio Coastal Management Program which is administered by the Ohio Department of Natural Resources (ODNR) Office of Coastal Management (OCM). The OCM uses a networking for linking federal, state, and local organizations and the laws and regulations each administers.

If you are planning a project, the ODNR *Coastal Permits and Lease Booklet* and associated Guidance Sheets contain information on the authorizations you may need from federal and state agencies, such as the U. S. Army Corps of Engineers (USACE), ODNR, and the Ohio Environmental Protection Agency. Different types of projects will require different authorizations; most coastal construction projects cannot take place without federal, state and local permits. The *Coastal Permits and Lease Booklet* includes the application for authorizations issued by the ODNR and can be accessed online at ohiodnr.com/coastal by selecting the "Regulatory" tab.

The OCM is finalizing additional guidance material on the proper design of structures built along Ohio's shore. The *Ohio Coastal Design Manual* will provide surveyors, engineers, contractors, and lakefront landowners with technical information on the design of coastal structures and erosion control measures. The manual presents various design procedures in one document. Additional chapters will be added over time to describe different practices. The first edition will contain specifications for armor stone revetments and seawalls, and guidelines for surveying coastal properties. The *Ohio Coastal Design Manual* is due for publication in early 2011.

Lake SWCD and the OCM provide free technical assistance to Lake County landowners experiencing problems with slope stability. Contact information is on Page 4.





NAVIGATING THE REGULATORY PROCESS FOR MODIFYING YOUR COASTAL PROPERTY

A SUMMARY OF SOME OF THE MORE COMMON COASTAL REGULATIONS RELATED TO SHORELINE CONSTRUCTION

LOCAL REGULATIONS

County or Municipal Ordinances - may require a building permit or place limitations on construction activities. Contact your local zoning or building department.

Floodplain Regulations - these may be included in local zoning or building codes.

FEDERAL REGULATIONS

Rivers and Harbors Act of 1899, Section 10 - Prohibits unauthorized obstruction or alteration of navigable waters of the United States, including the construction, excavation or deposition of materials.

Clean Water Act, Section 404 - Requires a permit from the USACE for construction, excavation, or deposition of materials in, over, or under navigable waters of the United States and regulates discharge of dredged or fill materials.

Clean Water Act, Section 401 - This federal regulation is enforced by Ohio EPA to ensure that projects will not have short-term or long-term negative impacts on water quality. A 401 certification is required in order to obtain federal permits.



STATE REGULATIONS

Ohio Coastal Management Program Federal Consistency Certification – Requires that certain Federal agency projects, permits, and funding must be consistent with the enforceable policies of the Ohio Coastal Management Program (OCMP) identified in the OCMP document. Federal Consistency is a requirement of the Coastal Zone Management Act of 1972 and its associated Federal regulations.

ODNR Shore Structure Permit - Requires a permit to construct structures that control erosion, wave action or flooding along or near the Ohio shoreline of Lake Erie.

ODNR Coastal Erosion Area (CEA) Permit - Requires a permit to construct a permanent structure within a designated Lake Erie Coastal Erosion Area. See box at right for more details on the CEA designation.

ODNR Submerged Lands Lease/Permit - Requires a lease or permit with the State of Ohio to place private improvements on Lake Erie submerged lands.

WHAT IS AN OHIO LAKE ERIE COASTAL EROSION AREA?

A Coastal Erosion Area (CEA) is a designated land area along the Lake Erie shore that is anticipated to be lost due to Lake Erie related erosion if preventative measures are not taken. It is a zone that begins at the water's edge and extends landward a specific distance based upon the rate of recession along that stretch of bluff, bank or beach ridge. The purpose of a Coastal Erosion Area is to identify places where erosion could cause serious damage and losses.

If your property falls in a CEA you are required to obtain a Coastal Erosion Area Permit from ODNR before building in the area designated as a CEA. A CEA permit is issued if adequate measures are proposed or in place to provide protection to the proposed structure. It is also important to note that properties without significant erosion history can still be subject to erosion if local conditions change.

You can view a CEA map of your property online. An instructional webpage and link are located on the ODNR website at <http://www.dnr.state.oh.us/tabid/22349/Default.aspx>. You can also view printed maps at locations throughout Lake County, including:

Lake County Planning Commission (complete set), Eastlake City Hall Building Dept., Fairport Harbor City Hall, Lakeline Village Hall, Madison Twp Administration Center, Mentor Municipal Center Building Department, Mentor-On-The-Lake City Hall, North Perry Village Hall, Painesville Township Hall, Perry Township Administrative Offices, Timberlake Clerk/Treasurer, Willoughby Public Library, and Willowick City Hall.

WHAT ODNR AUTHORIZATIONS DO I NEED?

If your project includes:	You may need:
A new house or building, or an addition to a house or building that exceeds 500 square feet where part of the work will take place in a CEA	CEA Permit
Beach, groin, revetment, seawall, breakwater, bulkhead, dock, pier, jetty, or wharf	Shore Structure Permit, Consistency Certification, and possibly a Submerged Lands Lease or Permit
Floating dock or open span dock	Submerged Lands Lease or Permit, Consistency Certification
Dredging	Consistency Certification
Repairs to an existing structure	Call ODNR Office of Coastal Management for details: 1-888-644-6267
For more information and applications for these permits, head to http://www.ohiodnr.com/coastal and click on the "Regulatory" tab then "Coastal Permit and Lease Booklet."	

This portion of a CEA map shows Stanton Park in Madison Township. Each of the black lines represents a transect - a line that erosion was measured along. The dotted white line represents the bluff edge location in 1990. The white cross is where the bluff edge was in 2004. Based on the calculated rate of erosion, the red line represents the area included in the Coastal Erosion Area. In some areas, no erosion is apparent, or measured erosion is minimal, and there is no CEA designation.



Perhaps the truth depends on a walk around the lake -Wallace Stevens